

STATEMENT OF QUALIFICATIONS

Name of Lab: Scientific Crime Detection Laboratory
5500 E. Tudor Road
Anchorage, AK 99507

Date: June 4, 2009

Name: Jane (Jill) Frances Booth

Job Title: Forensic Scientist IV

Discipline(s): Forensic Biology (Screening and DNA casework management) Supervisor
Trace Analysis Supervisor
Firearm/NIBIN and Toolmark Supervisor

Education:

Institution	Dates attended	Major	Degree completed
University of Washington	1965-1968	Medical Technology	B.S.
Gonzaga University	1964-1965	Pre-Medical Technology	

Other Training:

2008: International (ISO) Preparation Course, ASCLD/LAB, Phoenix, Arizona (3 days)

Performing Effective Audits, FBI, Fredericksburg, Virginia (4 days)

2007: Legacy Auditor Training, ASCLD/LAB, Contra Costa, California (3 days)

2005: Forensic Toxicology Review, SOFT, Spokane, Washington (2 days)

2004: FBI Symposium on Forensic Toxicology, SOFT/TIAFT, Washington, D.C. (3 days)

2003: Forensic Digital Imaging, Imaging Forensics, George Reis, Anchorage, Alaska (3 days)

The Effects of Drugs on Human Performance and Behavior, Indiana University Center for Studies of Law In Action, Bloomington, Indiana (4 days)

2000: Clandestine Laboratory Analysis and Synthesis, California Criminalistics Institute, Sacramento, California (40 hours)

Clandestine Laboratory Re-Certification Course, DEA/APD, Anchorage, Alaska (5 hours)

Alcohol, Drugs, and Highway Safety: Testing, Research, and Litigation, Indiana University, Bloomington, Indiana (48 hours)

1999: Datamaster Breath Alcohol School, National Patent Analytical Systems, Mansfield, Ohio (32 hours)

1998: Clandestine Laboratory Workshop, Multi-jurisdictional Counter Drug Task Force Training, Florida National Guard, Criminal Justice Institute, Anchorage, Alaska (24 hours)

Clandestine Laboratory Certification Course, DEA/APD, Anchorage, Alaska (40 hours)

Methamphetamine Workshop, American Academy of Forensic Sciences, San Francisco, California (8 hours)

Microscopy of Sexual Assault Evidence, American Academy of Forensic Sciences, San Francisco, California (8 hours)

1996: Controlled Substances Symposium Workshop, Northwest Association of Forensic Scientists, Spokane, Washington (3 days)

Other Training: (continued)

- 1995: Accident Prevention Program Development and Recordkeeping, Alaska Department of Labor, Anchorage, Alaska (4 hours)
- Courtroom Testimony and Demeanor, Valerie VanBrocklin, U.S. Attorney Office, Scientific Crime Detection Laboratory, Anchorage, Alaska (4 hours)
- 1995: Polaroid School of Law Enforcement Imaging, Polaroid Corporation, Anchorage, Alaska (8 hours)
- 1994: Breath Alcohol Supervisor School (Audit), Scientific Crime Detection Laboratory, Anchorage, Alaska (40 hours)
- 1993: Blood Borne Pathogens Training, Scientific Crime Detection Laboratory, Anchorage, Alaska (2 hours)
- Forensic Chemist Seminar, Department of Drug Enforcement, Quantico, Virginia (40 hours)
- 1989: Ion Trap Mass Spectroscopy, Perkin Elmer, Stamford, Connecticut (40 hours)
- 1983: Fluorescence Immunoassay, Syva Corporation, Palo Alto, California (40 hours)
- 1980: Advanced Toxicology, American Society of Clinical Pathologists, Seattle, Washington (40 hours)
- 1970: Laboratory Uses of Radioisotopes, University of Washington, Department of OB-GYN, Seattle, Washington (80 hours)

Courtroom Experience:

- 1985-present: Blood Alcohol, 40-50 times
1992-present: Controlled Substances, 100-150 times
2000-present: Biological Screening, 6 times
2003-present: Drug and Alcohol Toxicology, 15 times

Professional Affiliations:

- American Society of Clinical Pathologists, 1968-1992
Clandestine Laboratory Investigating Chemists, 2001-2007
Diplomate, American Board of Criminalistics, 2003-present
Society of Forensic Toxicologists, 2004-2008
Association of Forensic Quality Assurance Managers, 2007-present

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Employment History:

- (1) Job Title: Criminalist IV / Forensic Scientist IV
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory
Anchorage, Alaska
Principal Duties: Currently Supervisor of Biological Screening and DNA casework.
Past responsibilities included Quality Assurance Manager (2003-2008), Drug and
Toxicology Supervisor (2002-2006).
Tenure: August, 2002 – present
- (2) Job Title: Criminalist I / II / III
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory
Anchorage, Alaska
Principal Duties: Analysis of evidence for controlled substances and blood alcohol analysis; sexual assault
screening (1999-2001); court testimony.
Tenure: January, 1992 – August, 2002
- (3) Job Title: Medical Technologist
Employer: Alaska Regional Hospital (formerly Humana Hospital)
Anchorage, Alaska
Principal Duties: Chemistry and toxicology lab work: drug screening, autopsy toxicology for state
coroners, blood alcohol analysis. Occasional responsibilities in blood banking
(immunohematology), serology, electrophoresis, blood gases, and cell identification.
Tenure: 1974 - 1991 (12 years as a Toxicologist)
- (4) Job Title: Research Technologist
Employer: University of Washington School of Medicine, University Hospital
Seattle, Washington
Principal Duties: OB-GYN Steroid Lab: clinical and research analyses involving pregnancy, fertility,
complications of pregnancy, and hormonal studies; gas chromatography, column
chromatography, paper chromatography, radioisotopes, steroid analyses, teaching
responsibilities.
Tenure: 1969 – 1974
- (5) Job Title: Clinical Technologist
Employer: University of Washington School of Medicine, University Hospital
Seattle, Washington
Principal Duties: General hospital chemistry lab: enzyme chemistry, heavy metals, automated multiple
analyzers, electrophoresis, blood gases, teaching responsibilities.
Tenure: 1968 - 1969

Other Qualifications:

SCIENTIFIC PRESENTATIONS:

“Alaska’s Scientific Crime Detection Laboratory”, annual convention of Clinical Laboratory Scientists of Alaska, 2009

“Toxicology Case Studies”, annual convention of Medical Technologists of Alaska Association, 1990

“Carboxyhemoglobin and Carbon Monoxide Poisoning”, in-service to Humana Hospital staff, 1985

“Science & Technology in the Courtroom: The Judge’s Role as Gate-Keeper”, Alaska Bar Association panelist, 1999.

“Alcohol Physiology and Pharmacology”, Breath Alcohol Supervisor School, 1999

SART/SANE Certification Training presentation:
Kodiak, 2000
Fairbanks, 2000

“Drug Facilitated Sexual Assault”, Officer Training series, Scientific Crime Detection Laboratory, 2001

SCIENTIFIC RESEARCH:

Research and development in setting up assays for poisonous volatiles and drug confirmation assays for quantitation of controlled substances in body fluids, 1989-1990

MEETINGS ATTENDED:

Northwest Association of Forensic Scientists
1999 - Anchorage, Alaska
1996 - Spokane, Washington
1995 - Anchorage, Alaska
American Academy of Forensic Sciences
1998 - San Francisco, California
Society of Forensic Toxicologists
2004 - Washington, D.C.